(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 21 April 2005 (21.04.2005)

PCT

(10) International Publication Number WO 2005/034645 A1

(51) International Patent Classification7:

A23K 1/14

(21) International Application Number:

PCT/US2004/032851

(22) International Filing Date: 5 October 2004 (05.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/510,683

9 October 2003 (09.10.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANIMAL FEED COMPOSITIONS

(57) Abstract: The present invention disclosure describes a certain isoflavone-enhanced domestic animal feed compositions and methods of producing such feed compositions. In one particular implementation, a feed composition includes a soy meal that is no more than about (20) weight percent of the feed composition. This soy meal has a soy isoflavone content that provides the feed composition with a soy isoflavone concentration, normalized to an aglycone content of about 250-1400 parts per million on a weight basis (ppm), e.g., about 800-1200 ppm. Feed compositions in certain adaptations have demonstrated some advantages over feeds with isoflavone contents outside these ranges.